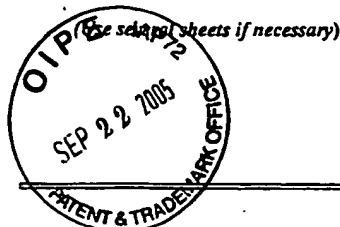


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U.S. PATENT DOCUMENTS

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| | AA | | | | | | |
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FOREIGN PATENT DOCUMENTS

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| re. re. | AN | WO00/58473 | 10/5/00 | PCT | | | <input type="checkbox"/> | <input type="checkbox"/> |
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| | AP | | | | | | <input type="checkbox"/> | <input type="checkbox"/> |
| | AQ | | | | | | <input type="checkbox"/> | <input type="checkbox"/> |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

| | | |
|---------|----|--|
| re. re. | AR | Altschul, et al., "Gapped Blast and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res., Vol. 25 (17), pp. 3389-3402 (1997) |
| re. re. | AS | Bateman, et al., "The Pfam Protein Families Database", Nucleic Acids Res., Vol. 28(1), pp. 263-266 (2000) |
| re. re. | AT | Birney, et al., "Using GeneWise in the <i>Drosophila</i> Annotation Experiment", Genome Res., Vol. 10, pp. 547-548 (2000) |

EXAMINER

Relationship

DATE CONSIDERED

10/5/05

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Group 1653

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

| | | |
|--------|-----|--|
| re.re. | 2AA | Bonaldo, et al., "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery", Genome Res., Vol. 6, pp. 791-806 (1996) |
| re.re. | 2AB | Carninci, et al., "[2] High-Efficiency Full-Length cDNA Cloning", Methods Enzy., Vol. 303, pp. 19-44 (1999) |
| re.re. | 2AC | Dunham , et al., "The DNA sequence of human chromosome 22", Nature, Vol. 402, pp. 489-495 (1999) Shimizu re.re. |
| re.re. | 2AD | Elgar, et al., "Generation and Analysis of 25 Mb of Genomic DNA from the Pufferfish <i>Fugu rubripes</i> by Sequence Scanning", Genome Res., Vol. 9, pp. 960-971 (1999) |
| re.re. | 2AE | Ersfeld, et al., "Characterization of the Tubulin-Tyrosine Ligase", J. Cell Biol., Vol. 120(3), pp. 725-732 (1993) |
| re.re. | 2AF | Herman, et al., "Methylation-specific PCR: A novel PCR assay for methylation status of CpG islands", PNAS, Vol. 93, pp. 9821-9826 (1996) USA |
| re.re. | 2AG | Idriss, H.T., "Suppression of tubulin tyrosine ligase activity through reversible phosphorylation: a mechanism for inhibition of α -tubulin tyrosinylation", Medical Hypotheses, Vol. 56(2), pp. 129-133 (2001) |
| re.re. | 2AH | Mialhe, et al., "Tubulin Detyrosination Is a Frequent Occurrence in Breast Cancers of Poor Prognosis", Cancer Res., Vol. 61, pp. 5024-5027 (2001) |
| re.re. | 2AI | Needleman, et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", J. Mol. Biol., Vol. 48, pp. 443-453 (1970) |
| re.re. | 2AJ | Raybin, et al., "Enzyme Which Specifically Adds Tyrosine to the α Chain of Tubulin", Biochem., Vol. 16(10), pp. 2189-2194 (1977) |
| re.re. | 2AK | Takai, et al., "Comprehensive analysis of CpG islands in human chromosomes 21 and 22", PNAS, Vol. 99(6), pp. 3740-3745 (2002) |
| re.re. | 2AL | Trichet, et al., Characterization of the human tubulin tyrosine ligase-like 1 gene (TTLL1) mapping to 22q13.1", Gene, Vol. 257, pp. 109-117 (2000) |
| re.re. | 2AM | Wiemann, et al., "Toward a Catalog of Human Genes and Proteins: Sequencing and Analysis of 500 Novel Complete Protein Coding Human cDNAs", Genome Res., Vol. 11, pp. 422-435 (2001) |
| re.re. | 2AN | NCBI Entrez Accession No. A45443 (gi:423218), Ersfeld, et al., June 3, 2002 |

EXAMINER

re.re. Baski

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

| | | |
|---------|-----|---|
| re. re. | 3AA | NCBI Entrez Accession No. AAF23353 (gi:6683745), Yu, et al., January 9, 2000 |
| re. re. | 3AB | NCBI Entrez Accession No. AA061487 (gi:1555346), Marra, et al., February 3, 1997 |
| re. re. | 3AC | NCBI Entrez Accession No. AA144756 (gi:1714179), Marra, et al., February 11, 1997 |
| re. re. | 3AD | NCBI Entrez Accession No. AF078842 (gi:6683744), Yu, et al., January 9, 2000 |
| re. re. | 3AE | NCBI Entrez Accession No. AI026623 (gi:3246111), NCI-CGAP, August 27, 1998 |
| re. re. | 3AF | NCBI Entrez Accession No. AL022327 (gi:5304851), Cobley, V., May 18, 2005 |
| re. re. | 3AG | NCBI Entrez Accession No. AL026623 (gi:3263966), Elgar, et al., February 25, 2004 |
| re. re. | 3AH | NCBI Entrez Accession No. AL096725 (gi:5419858), Wambutt, et al., February 18, 2000 |
| re. re. | 3AI | NCBI Entrez Accession No. BB004438 (gi:8093886), Konno, et al., June 22, 2000 |
| re. re. | 3AJ | NCBI Entrez Accession No. BE102364 (gi:8494463), Bonaldo, et al., June 13, 2000 |
| re. re. | 3AK | NCBI Entrez Accession No. BM808516 (gi:19125339), NIH-MGC, March 5, 2002 |
| re. re. | 3AL | NCBI Entrez Accession No. BM808637 (gi:19125460), NIH-MGC., March 5, 2002 |
| re. re. | 3AM | NCBI Entrez Accession No. BU937372 (gi:24126191), NIH-MGC, October 18, 2002 |
| re. re. | 3AN | NCBI Entrez Accession No. CAB46375 (gi:5419859), Wambutt, et al., February 18, 2000 |

EXAMINER

re. re. shi

DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

| | | |
|---------|-----|---|
| re. re. | 4AA | NCBI Entrez Accession No. CAI42686 (gi:57208207), Cobley, V., May 18, 2005 |
| re. re. | 4AB | NCBI Entrez Accession No. CK604006 (gi:41117345), NIH-MGC, January 22, 2004 |
| re. re. | 4AC | NCBI Entrez Accession No. CK653583 (gi:41389106), NIH-MGC, January 29, 2004 |
| re. re. | 4AD | NCBI Entrez Accession No. CR745100 (gi:51667573), Ebert, et al., December 21, 2004 |
| re. re. | 4AE | NCBI Entrez Accession No. CX205198 (gi:56860370), Williams, C., December 29, 2004 |
| re. re. | 4AF | NCBI Entrez Accession No. DN831611 (gi:62640254), Stevens, et al., April 27, 2005 |
| re. re. | 4AG | NCBI Entrez Accession No. DN831612 (gi:62640255), Stevens, et al., April 27, 2005 |
| re. re. | 4AH | NCBI Entrez Accession No. DN831950 (gi:62640634), Stevens, et al., April 27, 2005 |
| re. re. | 4AI | NCBI Entrez Accession No. DN831951 (gi:62640635), Stevens, et al., April 27, 2005 |
| re. re. | 4AJ | NCBI Entrez Accession No. DR008133 (gi:66272229), Stevens, et al., May 18, 2005 |
| re. re. | 4AK | NCBI Entrez Accession No. DR008134 (gi:66272231), Stevens, et al., May 18, 2005 |
| re. re. | 4AL | NCBI Entrez Accession No. Q9Y4R7 (gi:20455371), Yu, et al., September 13, 2005 |
| re. re. | 4AM | NCBI Entrez Accession No. T12515 (gi:597202), Liew, et al., November 28, 1994 |
| re. re. | 4AN | NCBI Entrez Accession No. XP_104657 (gi:37564887), NCBI Annotation Process, February 19, 2004 |

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R. Hoashi

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| | | |
|------|-----|--|
| R.R. | 5AA | NCBI Entrez Accession No. XP_104657 (gi:51476104), NCBI Annotation Process, August 20, 2004 |
| R.R. | 5AB | NCBI Entrez Accession No. XP_515212 (gi:55661552), NCBI Annotation Process,, November 9, 2004 |
| R.R. | 5AC | Baylin, et al., "Aberrant patterns of DNA methylation, chromatin formation and gene expression in cancer", Human Molecular Genetics", Vol. 10(7), pp. 687-692 (2001) |
| | 5AD | |
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A. Monashy

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

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| r.e.r. | AR | ENSEMBL:ENSP00000266182, http://www.ensembl.org/Homo_sapiens/Protview? peptide = ENSP00000266182, 1/14/2004. |
| r.e.r. | AS | NCBI ENTREZ ACCESSION No. gi NP_766406, Okazaki, Y. et al., December 22, 2003 |
| r.e.r. | AT | Carninci, P. et al., "High-Efficiency Full-Length cDNA Cloning", Methods in Enzymology, Vol. 303, pp. 19-44 (1999) |

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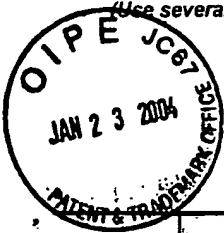
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Group 1653



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| | | |
|------|-----|---|
| R.R. | 2AA | Carninci, P. et al., "Normalization and Subtraction of Cap-Trapper-Selected cDNAs to Prepare Full-Length cDNA Libraries for Rapid Discovery of New Genes", Genome Research, Vol. 10, pp. 1617-1630 (2000) |
| R.R. | 2AB | Shibata, K. et al., "RIKEN Integrated Sequence Analysis (RISA) System — 384-Format Sequencing Pipeline with 384 Multicapillary Sequencer", Genome Research, Vol. 10, pp. 1757-1771 (2000) |
| R.R. | 2AC | The FANTOM Consortium and the RIKEN Genome Exploration Research Group Phase I & II Team, "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs", Nature, Vol. 420, pp. 563-573 (2002) |
| R.R. | 2AD | The RIKEN Genome Exploration Research Group Phase II Team and the FANTOM Consortium, "Functional annotation of a full-length mouse cDNA collection", Nature, Vol. 409, pp. 685-690 (2001) |
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R. Laoshi

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